

AUTHOR INDEX

Vol. 80 1989

- | | | | | | |
|-----------------------------------|--------------------|-------------------------------------|----------------------|--------------------------------|---------------|
| Abe, Fuminori | 873 | Ebihara, Tsugio | 150 | Gottesman, Michael M. | 1127 |
| Abe, Kaoru | 302, 643 | Ebina, Takusaburo | 158, 570 | Goya, Tomoyuki | 233 |
| Abe, Kuniko | 706 | Ebisuno, Shoji | 132 | Gudas, Jean M. | 493 |
| Abe, Masumi | 706 | Ebuchi, Masakazu | 1192 | | |
| Abe, Mitsuyuki | 1113 | Egami, Nobuo | 1058 | Hagiwara, Akeo | 1252 |
| Abe, Osahiko | 1156 | Eguchi, Kenji | 783 | Hagiwara, Akihiro | 317 |
| Abe, Rikiya | 1028 | El-Bayoumy, Karam | 952 | Hakomori, Sen-itiroh | 988 |
| Abe, Tsutomu | 271 | Ema, Hideo | 577 | Hamada, Hirofumi | |
| Adamson, Richard H. | 1141 | Emi, Nobuhiko | 711 | 469, 627, 1006, 1133, 1199 | |
| Ahmad, Haron Bin | 111 | Enoki, Yoshitaka | 212 | Hamajima, Nobuyuki | 720 |
| Aiba, Namiko | 1206 | Enomoto, Kohji | 1028 | Hamaoka, Toshiyuki | 879 |
| Aitio, Antero | 795 | Esumi, Hiroyasu | 1176 | Hamasato, Shinji | 537 |
| Akai, Sadahiko | 932 | Esumi, Noriko | 438 | Hamatani, Kiyohiro | 706 |
| Akatsuka, Toshitaka | 24 | | | Hara, Akira | 526 |
| Akedo, Hitoshi | 107, 716, 818, 928 | Farber, Emmanuel | 188 | Hara, Hideki | 1089, 1098 |
| Akiba, Suminori | 727, 1165 | Fuchimoto, Sadanori | 366 | Hara, Jun-ichi | 99 |
| Akiyama, Kosuke | 6 | Fujii, Hideji | 873 | Hara, Kazuo | 720 |
| Akiyama, Tetsu | 10 | Fujii, Setsuro | 167, 173, 509 | Hara, Shin-ichi | 861 |
| Alfieri, Alan A. | 592 | Fujii, Yuji | 958 | Harada, Kenji | 1228 |
| Amagasaki, Tatsuhiko | 1066 | Fujii-Kuriyama, Yoshiaki | 910 | Harada, Masaoki | 608 |
| Amagase, Harunobu | 670 | Fujiki, Hirota | 503, 1141 | Harada, Yoshitada | 981, 988 |
| Ando, Yoshiya | 405, 808 | Fujiki, Yukio | 617 | Hasegawa, Hirokazu | 732 |
| Aoki, Kazuko | 1058 | Fujimoto, Shigeyoshi | 537, 1212 | Hasegawa, Kazuo | 968 |
| Aoki, Ken | 283 | Fujimoto, Yoshinori | 45 | Hasegawa, Ryohei | 826, 945 |
| Aoki, Nobuo | 277 | Fujisawa, Isao | 1106 | Hashimoto, Hiratsugu | 405 |
| Arai, Katsuhiko | 840 | Fujisawa, Yoshio | 438 | Hashimoto, Ken | 670 |
| Araki, Eiji | 182 | Fujita, Yoshihiro | 503 | Hashimoto, Miwa | 459 |
| Araki, Kimi | 295 | Fujiwara, Hiromi | 879 | Hashimoto, Yoshiyuki | |
| Asami, Noriko | 993 | Fujiwara, Takehiko | 778, 1257 | 10, 126, 380, 1041 | |
| Asami, Tetsuya | 1161 | Fujiwara, Yasuhiro | 265, 783 | Hasuda, Keitaro | 283 |
| Asamoto, Makoto | 939, 1041 | Fukami, Yasuo | 879 | Hata, Jun-ichi | 861 |
| Asano, Goro | 1153 | Fukao, Katashi | 150 | Hata, Kouki | 1252 |
| Asano, Yoshihiro | 1106 | Fukuda, Yoshihiro | 737 | Hata, Satoru | 19 |
| Ashida, Yoshikazu | 1161 | Fukui, Masaru | 69, 77 | Hatanaka, Kenichi | 95 |
| Asoh, Kuni-ichi | 373, 475 | Fukumoto, Masayuki | 271 | Hatanaka, Masakazu | 737 |
| Azuma, Ichiro | 866, 873 | Fukusen, Naomi | 963 | Hatta, Akiko | 1052 |
| | | Fukushima, Masakazu | 167, 173, 509 | Hattori, Atsuo | 45 |
| Baba, Miyako | 521 | Fukushima, Shoji | 312, 317 | Hattori, Takao | 743 |
| Baba, Tsuneo | 31, 283 | Fukuta, Katsuyuki | 562, 1220 | Hattori, Toshio | 702 |
| Bailleur, Bernard | 691 | Furihata, Chie | 111, 424, 1035, 1052 | Hayashi, Moriaki | 228 |
| Bungo, Masami | 265 | Furukawa, Fumio | 826 | Hayashi, Yuzo | 499, 632, 826 |
| | | Furukawa, Koichi | 546 | Hayata, Yoshihiro | 348 |
| Chabner, Bruce | 1141 | Furuki, Kazuhiko | 808 | Hayatsu, Hikoya | 1021 |
| Chatani, Masashi | 612 | Furuki, Kazuo | 405 | Hayatsu, Toshiko | 1021 |
| Chiba, Shigeru | 887 | Furuta, Tadaaki | 271 | Heike, Yuji | 627 |
| Chisaka, Takeshi | 1072 | Fuse, Yusuke | 643 | Hiasa, Yoshio | 771 |
| | | Fuwa, Tohru | 670 | Higashi, Taneaki | 132 |
| Daubersies, Pierre | 691 | | | Higuchi, Takakazu | 1072 |
| de Camargo, Joao Lauro V. | 939 | Galiègue-Zoutina, Sylvie | 691 | Himeno, Yasuo | 737 |
| Degawa, Masakuni | 126 | Gamou, Shinobu | 204 | Hino, Ken-ichi | 1077 |
| Dempo, Kimimaro | 45 | Gavarasana, Satyanarayana | 209 | Hino, Shigeo | 915, 1016 |
| Deo, Madhav G. | 430 | Gelboin, Harry V. | 910 | Hirai, Hisamaru | 102 |
| | | Goto, Toshihiro | 438 | Hirai, Kanji | 99, 612 |

AUTHOR INDEX

Vol. 80 1989

- | | | | | | |
|-----------------------------------|--------------------|-------------------------------------|----------------------|--------------------------------|----------------------------|
| Abe, Fuminori | 873 | Ebihara, Tsugio | 150 | Gottesman, Michael M. | 1127 |
| Abe, Kaoru | 302, 643 | Ebina, Takusaburo | 158, 570 | Goya, Tomoyuki | 233 |
| Abe, Kuniko | 706 | Ebisuno, Shoji | 132 | Gudas, Jean M. | 493 |
| Abe, Masumi | 706 | Ebuchi, Masakazu | 1192 | | |
| Abe, Mitsuyuki | 1113 | Egami, Nobuo | 1058 | Hagiwara, Akeo | 1252 |
| Abe, Osahiko | 1156 | Eguchi, Kenji | 783 | Hagiwara, Akihiro | 317 |
| Abe, Rikiya | 1028 | El-Bayoumy, Karam | 952 | Hakomori, Sen-itiroh | 988 |
| Abe, Tsutomu | 271 | Ema, Hideo | 577 | Hamada, Hirofumi | |
| Adamson, Richard H. | 1141 | Emi, Nobuhiko | 711 | | 469, 627, 1006, 1133, 1199 |
| Ahmad, Haron Bin | 111 | Enoki, Yoshitaka | 212 | Hamajima, Nobuyuki | 720 |
| Aiba, Namiko | 1206 | Enomoto, Kohji | 1028 | Hamaoka, Toshiyuki | 879 |
| Aitio, Antero | 795 | Esumi, Hiroyasu | 1176 | Hamasato, Shinji | 537 |
| Akai, Sadahiko | 932 | Esumi, Noriko | 438 | Hamatani, Kiyohiro | 706 |
| Akatsuka, Toshitaka | 24 | | | Hara, Akira | 526 |
| Akedo, Hitoshi | 107, 716, 818, 928 | Farber, Emmanuel | 188 | Hara, Hideki | 1089, 1098 |
| Akiba, Suminori | 727, 1165 | Fuchimoto, Sadanori | 366 | Hara, Jun-ichi | 99 |
| Akiyama, Kosuke | 6 | Fujii, Hideji | 873 | Hara, Kazuo | 720 |
| Akiyama, Tetsu | 10 | Fujii, Setsuro | 167, 173, 509 | Hara, Shin-ichi | 861 |
| Alfieri, Alan A. | 592 | Fujii, Yuji | 958 | Harada, Kenji | 1228 |
| Amagasaki, Tatsuhiko | 1066 | Fujii-Kuriyama, Yoshiaki | 910 | Harada, Masaoki | 608 |
| Amagase, Harunobu | 670 | Fujiki, Hirota | 503, 1141 | Harada, Yoshitada | 981, 988 |
| Ando, Yoshiya | 405, 808 | Fujiki, Yukio | 617 | Hasegawa, Hirokazu | 732 |
| Aoki, Kazuko | 1058 | Fujimoto, Shigeyoshi | 537, 1212 | Hasegawa, Kazuo | 968 |
| Aoki, Ken | 283 | Fujimoto, Yoshinori | 45 | Hasegawa, Ryohei | 826, 945 |
| Aoki, Nobuo | 277 | Fujisawa, Isao | 1106 | Hashimoto, Hiratsugu | 405 |
| Arai, Katsuhiko | 840 | Fujisawa, Yoshio | 438 | Hashimoto, Ken | 670 |
| Araki, Eiji | 182 | Fujita, Yoshihiro | 503 | Hashimoto, Miwa | 459 |
| Araki, Kimi | 295 | Fujiwara, Hiromi | 879 | Hashimoto, Yoshiyuki | |
| Asami, Noriko | 993 | Fujiwara, Takehiko | 778, 1257 | | 10, 126, 380, 1041 |
| Asami, Tetsuya | 1161 | Fujiwara, Yasuhiro | 265, 783 | Hasuda, Keitaro | 283 |
| Asamoto, Makoto | 939, 1041 | Fukami, Yasuo | 879 | Hata, Jun-ichi | 861 |
| Asano, Goro | 1153 | Fukao, Katashi | 150 | Hata, Kouki | 1252 |
| Asano, Yoshihiro | 1106 | Fukuda, Yoshihiro | 737 | Hata, Satoru | 19 |
| Ashida, Yoshikazu | 1161 | Fukui, Masaru | 69, 77 | Hatanaka, Kenichi | 95 |
| Asoh, Kuni-ichi | 373, 475 | Fukumoto, Masayuki | 271 | Hatanaka, Masakazu | 737 |
| Azuma, Ichiro | 866, 873 | Fukusen, Naomi | 963 | Hatta, Akiko | 1052 |
| | | Fukushima, Masakazu | 167, 173, 509 | Hattori, Atsuo | 45 |
| Baba, Miyako | 521 | Fukushima, Shoji | 312, 317 | Hattori, Takao | 743 |
| Baba, Tsuneo | 31, 283 | Fukuta, Katsuyuki | 562, 1220 | Hattori, Toshio | 702 |
| Bailleur, Bernard | 691 | Furihata, Chie | 111, 424, 1035, 1052 | Hayashi, Moriaki | 228 |
| Bungo, Masami | 265 | Furukawa, Fumio | 826 | Hayashi, Yuzo | 499, 632, 826 |
| | | Furukawa, Koichi | 546 | Hayata, Yoshihiro | 348 |
| Chabner, Bruce | 1141 | Furuki, Kazuhiko | 808 | Hayatsu, Hikoya | 1021 |
| Chatani, Masashi | 612 | Furuki, Kazuo | 405 | Hayatsu, Toshiko | 1021 |
| Chiba, Shigeru | 887 | Furuta, Tadaaki | 271 | Heike, Yuji | 627 |
| Chisaka, Takeshi | 1072 | Fuse, Yusuke | 643 | Hiasa, Yoshio | 771 |
| | | Fuwa, Tohru | 670 | Higashi, Taneaki | 132 |
| Daubersies, Pierre | 691 | | | Higuchi, Takakazu | 1072 |
| de Camargo, Joao Lauro V. | 939 | Galiègue-Zoutina, Sylvie | 691 | Himeno, Yasuo | 737 |
| Degawa, Masakuni | 126 | Gamou, Shinobu | 204 | Hino, Ken-ichi | 1077 |
| Dempo, Kimimaro | 45 | Gavarasana, Satyanarayana | 209 | Hino, Shigeo | 915, 1016 |
| Deo, Madhav G. | 430 | Gelboin, Harry V. | 910 | Hirai, Hisamaru | 102 |
| | | Goto, Toshihiro | 438 | Hirai, Kanji | 99, 612 |

- Hirai, Masamichi 204
 Hirano, Takashi 348
 Hirayama, Takeshi 1165
 Hirohashi, Setsuo 196, 348, 1156
 Hirono, Chikara 855
 Hirono, Iwao 526
 Hirono, Yukari 1083
 Hirose, Masao 482
 Homma, Chieko 861
 Homma, Morio 1186
 Honda, Kazuyoshi 1028
 Honda, Mitsuo 1220
 Hong, Seong Su 592
 Hong, Weon-Seon 904
 Hongo, Teruaki 958
 Honma, Yoshio 228, 1077
 Horai, Takeshi 716
 Hori, Shingo 302
 Horii, Yoshihiro 1072
 Horino, Toshio 1028
 Horisawa, Yoshifumi 1161
 Hosaka, Yoshitaka 1161
 Hoshi, Akio 182
 Hotta, Hak 1186
 Hozumi, Motoo 115, 228, 1077
 Hussain, Syed Perwez 1171

 Ichijo, Motohiko 405, 808
 Ichimaru, Michito 506, 1066
 Ichinose, Masao 111
 Ido, Tatsuo 778, 1257
 Igarashi, Yoshio 958
 Igo, Masaaki 182, 554
 Iishi, Hiroyasu 521
 Ikada, Yoshito 387
 Ikeda, Hisami 833
 Ikeda, Isuzu 1149
 Ikeda, Shogo 6
 Ikeda, Shuichi 706, 1066
 Ikeda, Toshiyuki 1089, 1098
 Ikegami, Nobuko 612
 Imai, Hirokazu 1206
 Imai, Joko 915
 Imai, Meroni 1161
 Imai, Yasuyuki 1228
 Imaida, Katsumi 326, 499, 945
 Imanishi, Jiro 1072
 Imaoka, Shingi 244, 818
 Imaoka, Takeshi 167, 173
 Imashuku, Shinsaku 438
 Imoto, Masaya 15
 Imura, Hiroo 737
 Inaba, Kayo 141
 Inaba, Satoshi 482
 Inaji, Hideo 244
 Inamura, Noriaki 662
 Ino, Yoshinori 196
 Inomoto, Takeaki 295
 Inoue, Hajime 6
 Inoue, Hideo 716
 Inoue, Kaoru 1035
 Inoue, Tohru 608
 Ishibashi, Yasumasa 41
 Ishida, Tsunehiro 1028
 Ishida, Yasushi 1006, 1133
 Ishidoh, Kazumi 963
 Ishihara, Shigehiko 99
 Ishii, Toshinori 401
 Ishikawa, Fuyuki 102
 Ishikawa, Jiro 444
 Ishikawa, Keiko 158, 570
 Ishikawa, Osamu 818
 Ishikawa, Takatoshi 1058
 Ishikawa, Tohru 583
 Ishitsuka, Hideo 583
 Ishiwata, Kiichi 778
 Ishizaka, Yukihito 1149
 Isohashi, Fumihide 132
 Ito, Akihiro 419
 Ito, Hisao 743
 Ito, Jin-ichi 787
 Ito, Masanori 743
 Ito, Nobuyuki 312, 317, 326, 939, 945, 1035, 1041
 Ito, Shiro 6
 Ito, Tetsuya 765
 Ito, Toshihiro 981
 Itoh, Fumio 1149
 Itoh, Masatoshi 1257
 Itoh, Sueyoshi 1028
 Iwamoto, Akihiko 1252
 Iwamura, Yukio 299
 Iwanaga, Takeshi 818
 Iwanaga, Tomohisa 295
 Iwasa, Susumu 546
 Iwasaki, Yuzo 1017
 Iwata, Hitoshi 526
 Iwata, Ren 1257
 Izumi, Susumu 759
 Izuo, Masaru 1028

 Jannu, Laxminarayana 1171
 Jinbo, Takeshi 299
 Jinno, Shigeki 408
 Kagawa, Masataka 317, 939
 Kagimoto, Tadashi 702
 Kagiya, Tsutomu 1113
 Kahan, Barry D. 1119
 Kai, Kazushige 24
 Kajiyama, Goro 813
 Kajiyama, Wataru 506
 Kakehi, Yoshiyuki 1127
 Kakei, Nobuyuki 111
 Kakimoto, Kazuhiro 405, 808
 Kakimoto, Masanori 670
 Kakinuma, Mitsuaki 200
 Kakita, Tokio 59
 Kakunaga, Takeo 31, 408
 Kamihira, Shimeru 506, 1066
 Kamio, Yoshiro 787
 Kamiya, Hiroyuki 200
 Kanamori, Toshinori 1161
 Kanamura, Machiko 915
 Kaneda, Tsuguhiro 223, 331, 1083
 Kaneko, Michio 299
 Kaneko, Yasuhiko 861
 Kaneko, Yukio 257
 Kaneko, Yutarō 95
 Kang, Tae-Woong 904
 Kanisawa, Masayoshi 608
 Kanno, Yoshinobu 855
 Karube, Toshiaki 698
 Kashiiki, Yoshitomo 1028
 Kashiwagi, Seizaburo 506
 Kashiwazaki, Yasuo 69, 77
 Katayama, Hiroo 698
 Kato, Hiroshi 787
 Kato, Ikuko 306, 932
 Kato, Kanefusa 975
 Kato, Kazuharu 1161
 Kato, Kiyoshi 932
 Kato, Shiro 765
 Kato, Taiji 787
 Kato, Taketoshi 290
 Kato, Takuma 141
 Kato, Toshio 326, 1041
 Kato, Yasuhisa 963
 Katunuma, Nobuhiko 963
 Kawa-Ha, Keisei 99
 Kawada, Minako 617
 Kawaguchi, Tatsuya 702
 Kawai, Hiroaki 1257
 Kawai, Jun 141
 Kawai, Sadaaki 1179
 Kawamura, Norio 111
 Kawase, Ichiro 1089, 1098
 Kawashima, Ryuta 1257
 Kido, Choichiro 1028

AUTHOR INDEX

Kido, Hiroshi	963	Koyama, Shohei	150	Matsuzawa, Taiju	778, 1257
Kikuchi, Kokichi	655	Kozono, Mitsuko	10	Matui, Yuka	958
Kim, Chang-Min	904	Kubo, Akemi	335	Maurer, Hans Rainer	115
Kim, Chung-Yong	904	Kubo, Masato	1106	Mehta, Ashok R.	430
Kim, Jae Ho	592	Kubota, Kazuo	778	Mieno, Masahiro	649
Kim, Sang Hie	592	Kugai, Nobuo	643	Miki, Kazumasa	111
Kim, Young-Whan	904	Kunii, Akira	720	Miki, Toyohiko	394
Kimoto, Hiroyuki	643	Kunii, Tsukasa	348	Mima, Takashi	464
Kimura, Genki	452	Kuninaka, Akira	679	Mimura, Toru	95
Kimura, Kazuhiro	879	Kuramochi, Kentaro	271	Minato, Keisuke	1006, 1133
Kimura, Masayoshi	111	Kurata, Yasushi	317	Minato, Koichi	265, 783
Kimura, Satoshi	302	Kurimoto, Masashi	1161	Misawa, Shinichi	438
Kinoshita, Kenichiro	506, 1066	Kurobe, Naomi	975	Miura, Kazunobu	200
Kioka, Noriyuki	1127	Kuroishi, Tetsuo	1028	Miura, Yasusada	577
Kishi, Kiyozo	233, 622	Kuroiwa, Toshiro	283	Miwa, Akiyoshi	577
Kishikawa, Teruaki	787	Kuroki, Toshio	637	Miwa, Masanao	191
Kishimoto, Susumu	1089, 1098	Kuroki, Yasumasa	482	Miwa, Tadashi	223
Kitahara, Misa	562	Kurosawa, Yoshikazu	747	Miyagi, Nobuyuki	341
Kitahori, Yoshiteru	771	Kusuhara, Masatoshi	302	Miyazaki, Jun-ichi	295
Kitajima, Takashi	968	Kuwabara, Ichiro	981	Miyazawa, Hitoshi	537
Kiyama, Teruo	1153	Kuwano, Michihiko	373, 475	Miyazawa, Masaaki	444
Kiyokawa, Hiroyuki	915	Kuwata, Katsuya	503	Miyazono, Kohei	887
Kiyokawa, Tetsuyuki	506	Kwon, Kil-Won	833	Miyoshi, Isao	506
Klein, George	430	Kyo, Eikai	743	Mizumoto, Kenji	469
Knight, Glenn B.	493			Mizuno, Shoichi	727, 1165
Kobayashi, Hiroaki	283	Lee, Jhin-Oh	904	Mizutani, Takashi	1153
Kobayashi, Makoto	204	Lin, Jung-Chung	771	Mochizuki, Matsuto	968
Kobayashi, Midori	617	Liu, Fen-Zhi	290	Momita, Saburo	1066
Koda, Toshiaki	200	Lloyd, Kenneth O.	546	Mori, Hideki	526, 1047
Kodaira, Susumu	1156	Loeb, Lawrence A.	1014	Mori, Masahiro	419
Kodaka, Taiichi	531	Loucheux-Lefebvre, Marie-Henriette	691	Mori, Michio	45
Kodama, Kenjiro	679			Mori, Shigeo	469, 1192, 1199
Kodama, Yukio	632			Mori, Yoshio	526
Koenuma, Mitsuo	51	Maeda, Hiroshi	394	Moriguchi, Toshinori	59
Kohno, Kimitoshi	373, 475	Maeda, Ken-ichi	1220	Morimoto, Kazushige	826
Kohya, Hidehiko	158	Maeda, Nagamasa	537	Morimoto, Tadaoki	1028
Kohzen, Emiko	1176	Maeda, Sakan	444	Morisada, Shinya	69, 77
Koi, Minoru	122, 413	Maeda, Yoshiaki	915	Morita, Hiroyuki	122, 413
Koide, Atsushi	506	Maekawa, Akihiko	632	Moriyama, Ikuko	405, 808
Koike, Katsuro	617	Mano, Hiroyuki	102	Moriyama, Masami	335, 554
Koito, Atsushi	702	Mariyama, Mariko	622	Moriyama, Shin-ichi	19
Koiwai, Osamu	331	Maruyama, Toshiyuki	1228	Moro, Akiko	41
Kojima, Akira	783	Masuda, Ryuichi	1024	Morozumi, Manami	679
Komano, Tohru	1127	Masuko, Takashi	10, 126, 380, 1041	Motoyama, Masaaki	167
Komatsu, Keiko	107, 928	Masuno, Tomiya	1089, 1098	Motoyoshi, Kazuo	577
Komatsu, Norio	577	Matsubara, Kenichi	295	Mukai, Mutsuko	107, 716, 818
Komiyama, Atsushi	822	Matsukura, Norio	1153	Munk, Klaus	490
Komuta, Kiyoshi	1089	Matsukura, Toshihiko	19	Murakami, Yoshinori	637
Kondo, Haruhiko	233	Matsumura, Nobuyuki	506	Muramatsu, Minoru	879
Konishi, Noboru	771	Matsushima, Masashi	111	Muramatsu, Shigeru	141, 387
Konishi, Yoichi	341	Matsushima, Taijiro	424, 1052	Murao, Shin-ichi	444
Koshikawa, Takashi	975	Matsushima, Yuko	632	Murata, Jun	866, 873
Koyama, Hiroki	244	Matsuya, Tokuzo	464	Murata, Mitsunori	99

- Murayama, Yoichi 1192
 Muroi, Kazuo 577
 Mushika, Masafumi 223
 Mutai, Mamoru 945, 1035
 Muto, Tetsuichiro 356

 Nagai, Yutaka 840
 Nagao, Minako 45, 1145, 1149
 Nagaoka, Takaharu 632
 Nagase, Sumi 759, 939, 1041
 Nagata, Naokazu 643
 Nagata, Yasuhiko 706
 Nair, Rama 430
 Naito, Kazuyo 1119
 Naito, Masashi 419
 Nakae, Dai 341
 Nakagawa, Kazuhiko 265, 783
 Nakagawa, Yuichi 958
 Nakagome, Yasuo 958
 Nakahama, Masao 1199
 Nakajima, Takashi 783
 Nakajima, Yoko 182, 554
 Nakakuma, Hideki 702
 Nakamaki, Tsuyoshi 1077
 Nakamura, Atsushi 312
 Nakamura, Hiroyuki 928
 Nakamura, Kozo 622
 Nakamura, Masataka 808
 Nakamura, Norio 1161
 Nakamura, Shinji 141
 Nakamura, Yoshiro 302
 Nakamura, Yoshiyasu 608
 Nakanishi, Mie 662, 1220
 Nakanishi, Yoko 132
 Nakano, Hiroshige 341
 Nakano, Shiro 405
 Nakashima, Hideki 95
 Nakatani, Katsunori 341
 Nakayama, Eiichi 257, 649, 706, 747
 Nakayama, Hirofumi 813
 Namiki, Masayuki 126
 Naoe, Tomoki 747
 Nara, Nobuo 277, 887
 Naruke, Tsuguo 233
 Nii, Akihiko 1220
 Niimoto, Minoru 743
 Nishi, Keigo 1153
 Nishi, Norio 866
 Nishigaki, Ryuichiro 219
 Nishikata, Ken-ichi 554
 Nishikawa, Akiyoshi 526, 1047
 Nishikawa, Seiji 716
 Nishimoto, Sei-ichi 1113

 Nishimura, Chiaki 65
 Nishimura, Ryuichiro 968
 Nishimura, Shin-ichiro 866
 Nishimura, Susumu 200, 622
 Nishimura, Toshio 65
 Nishimura, Toshiro 59
 Nishiwada, Takashi 341
 Nishiyama, Kiyoshi 271
 Nishiyama, Yoshitaka 366
 Nishizawa, Makoto 1179
 Nitta, Yumiko 459
 Niwa, Ohtsura 212, 459
 Nobuhara, Masahiro 1161
 Nogae, Ichiro 475
 Noguchi, Masayuki 233, 348
 Noguchi, Shinzaburo 244
 Noguchi, Toshihiro 69
 Nomi, Shinhachiro 1119
 Nores, Gustavo A. 988
 Nose, Masato 444
 Notake, Kunihiko 546
 Nozaki, Naohito 747

 Obara, Takashi 506
 Obata, Hiroshi 622
 Obata, Shin-ichiro 401
 Obata, Yuichi 257, 711
 Oda, Munehiro 617
 Oda, Takuzo 6
 Oda, Tatsuya 394
 Odaka, Takeshi 24
 Oettgen, Herbert F. 257
 Ogawa, Kumiko 312
 Ogita, Masami 1028
 Ogiu, Toshiaki 290
 Ogura, Takafumi 464
 Ogura, Takeshi 562, 662, 1220
 Ogura, Tsutomu 1149
 Oh-hara, Tomoko 136
 Ohe, Yuichiro 265
 Ohgaki, Hiroko 732, 1176
 Ohigashi, Hiroaki 716, 818
 Ohkawa, Tomohiko 583
 Ohkochi, Etsuko 469, 1133
 Ohkochi, Hitoshi 41
 Ohkura, Hisanao 1156
 Ohnishi, Ai 302
 Ohnishi, Kazunori 720
 Ohno, Yuko 191
 Ohsaka, Akimichi 577
 Ohshimo, Hideyuki 167, 173
 Ohtani, Haruo 360
 Ohtani, Kiyoshi 808

 Ohtomo, Noriko 200
 Ohtsu, Atsushi 265
 Ohtsu, Tomoko 1006, 1133
 Ohtsuka, Eiko 200
 Ohyashiki, Junko H. 848
 Ohyashiki, Kazuma 848
 Oiwa, Kazuko 331
 Oka, Hiroshi 111
 Oka, Takahiro 1119
 Okabe, Tetsuro 115
 Okabe-Kado, Junko 228
 Okada, Hidechika 765
 Okada, Hirokazu 1238
 Okada, Masaji 562
 Okada, Noriko 765
 Okada, Tomoko 1228
 Okada, Yoshiaki 249
 Okamiya, Hideaki 499
 Okamoto, Shingo 1199
 Okamoto, Takashi 191
 Okazaki, Tuneo 747
 Okubo, Akio 662
 Okubo, Mamoru 655
 Okuda, Atsuyuki 452
 Okuda, Takuo 503
 Okuhara, Eiji 1206
 Okumura, Tohru 341
 Okuzumi, Junichi 503
 Onda, Masahiko 1153
 Ono, Mayumi 373
 Ono, Tetsuo 608
 Onodera, Hiroshi 632
 Oono, Hideto 302
 Ootsu, Koichiro 895
 Orita, Kunzo 366
 Osada, Hirotaka 711
 Osada, Yasuaki 1238
 Osawa, Toshiaki 1228
 Oshimura, Mitsuo 122, 413
 Osuga, Toshiaki 150
 Ota, Jun 1028
 Ota, Kazuo 290
 Otsuka, Fujio 41
 Otsuki, Seiko 10
 Oyamada, Masahito 45
 Ozaki, Keisuke 1035

 Panchal, Rekha G. 430
 Pardee, Arthur B. 493
 Pastan, Ira 1127
 Piao, Yun-Feng 887
 Pitot, Henry C. 599
 Prince Masahito 1058

AUTHOR INDEX

- Rao, Araga Ramesha 1171
 Reddy, Bandaru S. 952
- Saburi, Yoshio 475
 Sadano, Hiroyuki 31
 Saijo, Nagahiro 265, 783
 Saiki, Ikuo 866, 873
 Saito, Kensuke 405
 Saito, Shigeru 808
 Saito, Shin'ichi 1089, 1098
 Saitoh, Ken-ichi 679
 Sakai, Ryoji 513
 Sakamoto, Shinobu 577
 Sakamoto, Yukiya 132
 Sakashita, Akiko 1077
 Sakatsume, Minoru 988
 Sakita, Masakazu 1252
 Sakura, Yasufumi 895
 Sakurai, Masaharu 861
 Sakurai, Yoichi 1156
 Sanada, Isao 401
 Saneyoshi, Mineo 679
 Sanghavi, Vikram 430
 Sano, Haruhiko 617
 Sano, Junjiro 111
 Sano, Kunio 1106
 Sano, Motoharu 1077
 Saranath, Dhananjaya 430
 Sasada, Masataka 59
 Sasai, Keisuke 1113
 Sasakawa, Michizou 1028
 Sasaki, Motomichi 1024
 Sasaki, Shingi 787
 Sasaki, Takuma 1246
 Sasaki, Yasuto 855
 Sasaki, Yasutsuna 265, 783
 Sasano, Nobuaki 360
 Sato, Hidetaka 499
 Sato, Hisao 335
 Sato, Kiyomi 608
 Sato, Masahiko 401
 Sato, Noriyuki 655
 Sato, Shigeo 627, 686
 Sato, Shin-ichi 373, 475
 Sato, Tachio 778
 Sato, Takashi 655
 Sawa, Tsutomu 15
 Sawada, Hidetomo 341
 Sawada, Takashi 506, 1066
 Sawaguchi, Shigenori 299
 Sawaki, Masakuni 45
 Sazuka, Yasuyuki 89, 1000
 Seidoh, Tsutomu 249
- Sekiguchi, Sadayoshi 833
 Sekine, Ki-ichi 861
 Sekiya, Takao 924
 Seto, Masao 711
 Shiba, Yoshiki 855
 Shibamoto, Yuta 1113
 Shibamura, Sei-Ichi 24
 Shibata, Kanemitsu 223
 Shibata, Masa-Aki 317
 Shibata, Masao 1083
 Shibutani, Makoto 632
 Shibuya, Masabumi 920
 Shido, Tadahiho 401
 Shiku, Hiroshi 649, 706, 747
 Shimakage, Misuzu 612
 Shimamoto, Yuji 167, 173, 509
 Shimizu, Akio 608
 Shimizu, Jun 879
 Shimizu, Kazuyuki 720
 Shimizu, Motoyuki 122, 413
 Shimizu, Nobuyoshi 204
 Shimizu, Yasuhito 1153
 Shimoji, Naoshi 826
 Shimosato, Yukio 196, 348, 1156
 Shimotohno, Kunitada 191
 Shimoyama, Masanori 191, 482, 1006, 1133
 Shimoyama, Taketo 771
 Shinkai, Kiyoko 107, 716, 818, 928
 Shinkai, Tetsu 783
 Shinno-Kohno, Hideko 1179
 Shino, Akio 895
 Shirai, Tomoyuki 312
 Shiraishi, Masahiko 924
 Shiraishi, Norio 373
 Shirakata, Yumiko 617
 Shirasaka, Takuma 1089, 1098
 Shirasaka, Tetsuhiko 167, 173, 509
 Shiroke, Kazuko 1179
 Shuker, Linda 795
 Singh, Sukh Mahendra 662
 Sone, Saburo 562, 662, 1220
 Song, Jae-Kwan 904
 Suchi, Taizan 711
 Suda, Takashi 879
 Suda, Toshio 577
 Sudo, Tetsuo 335
 Suemasu, Keiichi 233, 783
 Sugahara, Kunio 10
 Sugamura, Kazuo 808
 Sugano, Haruo 1058, 1192
 Sugano, Kokichi 1156
 Sugase, Motoyasu 19
- Sugawara, Isamu 469, 1199
 Sugi, Masakazu 464
 Sugie, Shigeyuki 952
 Sugimoto, Tohru 1072
 Sugimoto, Yoshikazu 993, 1006
 Sugimura, Takashi 598, 1145, 1149, 1176
 Sugiyama, Kenji 759
 Sugiyama, Taketoshi 444
 Sumegi, Janos 430
 Sumii, Hiroshi 6
 Susarla, Maha Deva Sastri 209
 Suzumura, Yasuko 65
 Suzuki, Kazuo (Nat'l. Def. Med. Coll.) 643
 Suzuki, Kazuo (Showa Univ.) 1077
 Suzuki, Shinya 380
 Suzumura, Yasuko 290
 Suzuoki, Yozo 223
- Tabata, Yasuhiko 387
 Tada, Masao 778
 Tada, Tomio 1106
 Tagawa, Masatoshi 981
 Taguchi, Hirokuni 506
 Taguchi, Tetsuo 1028
 Tahara, Eiichi 743, 813
 Tahira, Tomoko 1149
 Tajima, Kazuo 191
 Takagi, Norio 711
 Takahashi, Hidetoshi 45
 Takahashi, Kenji 111
 Takahashi, Masaaki 1083
 Takahashi, Masaji 1113
 Takahashi, Michihito 499, 826
 Takahashi, Nobuo 1186
 Takahashi, Rei 444
 Takahashi, Satoru 312
 Takahashi, Toshihiro 1257
 Takahashi, Toshio 503, 1252
 Takahashi, Toshitada 546, 711
 Takaku, Fumimaro 102, 115, 577, 848, 887
 Takami, Tsuyoshi 1047
 Takanashi, Atsushi 743
 Takano, Hiroshi 373
 Takano, Mariko 1228
 Takashi, Munehisa 975
 Takata, Masaru 537
 Takatani, Osamu 643
 Takatsuki, Kiyoshi 506, 702
 Takayama, Kyoko 1145
 Takayama, Shozo 732, 1176

- Takebe, Hiraku 754
 Takechi, Hideo 6
 Takeda, Jyun 643
 Takeda, Yoshiro 716
 Takeichi, Masatoshi 459
 Takemoto, Kazuo 698
 Takeuchi, Kunio 968
 Takeuchi, Shoshichi 249
 Takeuchi, Tomio 15, 855
 Takeuchi, Toshimi 1047
 Takezawa, Rumiko 424
 Takino, Yoshio 89, 1000
 Tamano, Seiko 317
 Tamaoki, Norikazu 920
 Tamura, Tomohide 265, 783
 Tanabe, Gozo 6
 Tanaka, Atsuo 1072
 Tanaka, Kenichi 249
 Tanaka, Masumi 503
 Tanaka, Motohiro 1246
 Tanaka, Nobuo 65
 Tanaka, Noriko G. 1238
 Tanaka, Noritake 1153
 Tanaka, Ryo 787
 Tanaka, Takuji 526, 952, 1047
 Tanaka, Toshiyuki 380
 Tanaka, Yasuo 1161
 Tanaka, Yutaka 583
 Tanigawa, Takuo 405, 808
 Taniguchi, Haruo 521
 Taniguchi, Masaru 981, 988
 Taniguchi, Shun'ichiro 31, 283
 Tanio, Yoshio 1089, 1098
 Tanizawa, Hisayuki 89, 1000
 Tashiro, Hideya 1028
 Tashiro, Kunio 1017
 Tashiro, Takao 111
 Tatematsu, Masae 326, 1035
 Tateno, Hiroo 290
 Tatsuka, Masaaki 408
 Tatsuta, Masaharu 521
 Tawa, Akio 99
 Terada, Masaaki 196
 Terao, Chikahiro 306
 Tobayama, Shigeo 958
 Tobinai, Kensei 1006, 1133
 Toda, Takashi 787
 Todate, Asahi 632
 Todo, Shinjiro 438
 Togoh, Shinji 271
 Tohgo, Akiko 1238
 Tohmatsu, Junichi 506
 Tohyama, Kaoru 335
 Tojo, Arinobu 887
 Toki, Hironobu 706
 Toko, Toshiyuki 1212
 Tokudome, Shinkan 597
 Tokunaga, Akira 1153
 Tokura, Seiichi 866
 Tomatis, Lorenzo 795
 Tomida, Mikio 115
 Tomimatsu, Souichi 643
 Tominaga, Suketami 306, 932, 1028
 Tomino, Shiro 759
 Tomita, Katsuro 83, 1246
 Tomonaga, Masao 1066
 Tomonaga, Takafumi 577
 Tomoyasu, Shigeru 1077
 Toriya, Kazuhiro 1066
 Toyama, Keisuke 848
 Toyama, Takenori 405
 Toyoda, Kazuhiro 826
 Toyoshima, Kumao 10, 1192
 Tsuchihashi, Takayuki 643
 Tsuchiya, Hiroyuki 83, 1246
 Tsuchiya, Keiko 271
 Tsuchiya, Ryosuke 233
 Tsuchiya, Shuji 271
 Tsuchiya, Terumasa 920
 Tsuda, Hiroyuki 326, 939, 945, 1041
 Tsuda, Hitoshi 196
 Tsuda, Toshitaka 813
 Tsugane, Shoichiro 191
 Tsujino, Tetsuhiro 813
 Tsukagoshi, Shigeru 670
 Tsukamoto, Atsuko 401
 Tsunamoto, Kentaro 438
 Tsunematsu, Yukiko 822
 Tsunoda, Jun-ichi 577
 Tsurimoto, Toshiki 295
 Tsuruo, Takashi 51, 136, 469, 627, 686, 993, 1006, 1133, 1199
 Tsuruoka, Nobuyoshi 1077
 Tsutsumi, Masahiro 341
 Uchino, Haruto 59, 335, 531
 Uchiyama, Takashi 531
 Udono, Heiichiro 649
 Ueda, Kazumitsu 1127
 Ueda, Ryuzo 546, 711
 Ueda, Shigeharu 765
 Ueda, Yoshimichi 1246
 Uehara, Kohkichi 840
 Ueyama, Yoshito 920
 Umadome, Hiroshi 531
 Umemura, Koshiro 219
 Umemura, Shin-ichiro 219
 Umezawa, Kazuo 15, 855
 Uno, Kazuko 141, 387
 Urabe, Akio 887
 Urade, Masahiro 464
 Uryu, Toshiyuki 95
 Wada, Yoshimasa 655
 Wakabayashi, Keiji 1145
 Wakamiya, Nobutaka 765
 Wakizaka, Akira 1206
 Wang, Jun 1113
 Wang, Yu-Lan 765
 Watanabe, Akihiko 341
 Watanabe, Hiromu 1028
 Watanabe, Hisao 1072
 Watanabe, Kunihito 873
 Watanabe, Masahiko 136
 Watanabe, Masatoshi 1089, 1098
 Watanabe, Ryohji 41
 Watanabe, Sekiko 6
 Watanabe, Shaw 191, 698, 822
 Watanabe, Toshiki 1017
 Watanuki, Syoichi 1257
 Wilbourn, Julian 795
 Yabuuchi, Hyakuji 99
 Yagi, Takashi 754
 Yaginuma, Katsuyuki 617
 Yahata, Gohki 249
 Yakushinji, Miki 373
 Yamada, Hideto 413
 Yamada, Kazumasa 747
 Yamada, Masao 958
 Yamada, Yasuaki 1066
 Yamada, Yukinori 1192
 Yamada, Yukishige 341
 Yamagishi, Hisakazu 1119
 Yamagishi, Kimie 233
 Yamagiwa, Hiroshi 238
 Yamaguchi, Hideyo 65
 Yamaguchi, Kazunari 401, 506
 Yamaguchi, Ken 302, 643
 Yamaguchi, Naohito 822
 Yamaguchi, Sachiko 920
 Yamaguchi, Shuji 945
 Yamaguchi, Yasunori 141
 Yamakoshi, Akira 424
 Yamamoto, Hiroshi 537
 Yamamoto, Hirotoshi 394
 Yamamoto, Hitoshi 244
 Yamamoto, Kohkichi 59
 Yamamoto, Naoki 95

AUTHOR INDEX

-
- Yamamoto, Tadashi 10, 1192
 Yamamoto-Yamaguchi, Yuri 115
 Yamamura, Ken-ichi 295
 Yamamura, Yuichi 1089, 1098
 Yamane, Tetsuro 503
 Yamano, Yoshiaki 1127
 Yamashita, Katsumi 826, 1145
 Yamashita, Takashi 15
 Yamashita, Yoko 277
 Yamori, Takao 51
 Yanagawa, Hiroaki 662, 1220
 Yanagi, Yoshikazu 69, 77
 Yano, Michitami 506
 Yano, Misako 833
 Yasutake, Hidetoshi 1246
 Yokoro, Kenjiro 212, 459
 Yoshida, Kazuhiro 743, 813
 Yoshida, Koichi 1028
 Yoshida, Michihiro C. 1024
 Yoshida, Minoru 577
 Yoshida, Mitsuki 401, 1017
 Yoshida, Osamu (Yamaguchi Univ.)
 95
 Yoshida, Osamu (Kyoto Univ.) . . 1127
 Yoshida, Takashi 95
 Yoshida, Takato O. 879
 Yoshida, Teruhiko 196
 Yoshida, Yataro 335
 Yoshikawa, Kazuhiro 546
 Yoshikura, Hiroshi 1
 Yoshimoto, Masataka 1192
 Yoshino, Hiroshi 679
 Yoshiyuki, Toshiro 1153
 You, Shengguo 444
 Yumita, Nagahiko 219
 Yumura-Yagi, Keiko 99
 Yun, Taik-Koo 904
 Yusa, Keisuke 686

 Zhou, Lin 1113

KEY WORD INDEX

Vol. 80 1989

- Acetamide, N-2-fluorenyl- 1047
 Acetyl-CoA hydrolase 132
 Aclacinomycin 1000
 Actin 31
 Activated carbon particle 1252
 Acute leukemia 887
 Acute pancreatitis 643
 Adenine, arabinofuranosyl- (Ara-A) 482
 Adenocarcinoma 622
 Adenocarcinoma, endometrial 223
 Adenosine deaminase 482
 Adenovirus E1A, RSV 1179
 Adhesion 873
 Adjuvant chemotherapy 670
 Adrenal tumor 1199
 Adriamycin 89, 1000, 1238
 Adriamycin-resistant cell 469
 Adult T cell leukemia (ATL) 191, 401, 531, 1066
 Aflatoxin B₁ 526
 L-Alanosine 592
 Allelic deletion 924
 Alternative pathway 765
 Aminoazobenzene, 3'-methyl-4-dimethyl- 132
 Aminobiphenyl, 3,2'-dimethyl-4- 312
¹¹C-1-Aminocyclopentane carboxylic acid 1257
 Amplification 430
 Amplification, c-myc 212
 Anthracycline 69, 77
 Anthracycline, 9-amino-, derivative (SM-5887) 69, 77
 Anthracycline, fluorine-containing (ME2303) 686
 Antibody binding site 380
 Anticancer agent 83
 Anticoagulant activity 95
 Anti-collagen antibody 840
 Anti-melanoma killer T cell 988
 Antimetastatic effect 158, 366, 570
 Antioxidant 89
 Antitumor activity 69, 167, 173, 182, 509
 Antitumor agent 686
 Antitumor effect 387, 554
 Anti-tumor immunity 1212
 Anti-tumor promotion 503
 Aphidicolin 452
 Ascites hepatoma 130 219
 Ascites hepatoma cell, rat 107, 818
 Athymic mouse 627
 ATL 191, 401, 531, 1066
 ATPase activity 1199
 ATPase rat liver 1206
 Autologous tumor 655
 Autophosphorylation 10
 Autoreactive T cell clone 1106
 5-Azacytidine 295
 Azathioprine 419
 Azoxymethane 952
 B cell lymphoma, human 711
 B16 melanoma 31, 981
 Benz[a]anthracene, 7,12-dimethyl- 1171
 Benzylselenocyanate 952
 Benzylthiocyanate 952
 Bile acid 1035
 Bile duct cancer, human 932
 Biliary tract cancer, human 932
 Bioassay system, CSF 335
 Biological response modifier (BRM) 670, 1212
 Blast colony 887
 Bleomycin hydrolase, thiol protease 65
 Bleomycin resistance 464
 Blood transfusion 833
 Blue rayon 1021
 Bone marrow toxicity 783
 Bowenoid papulosis 19
 Breast cancer 244, 1028, 1192
 Breast self-examination 1028
 BRM 670, 1212
 Butylated hydroxyanisole (BHA) 1171
 Cadherin 459
 Caffeine 83, 754, 1246
 Calcium-binding protein 469
 Cancer incidence 306
 Cancer-prone disease 41
 Capillary 360
 Carbohydrate antigen 546
 Carcinoembryonic antigen (CEA) 1156
 Carcinogenesis, kidney 771
 mouse 499, 503
 rat 608
 stage 599
 stomach 521
 Carcinogens, human 795
 Carcinoma in adenoma 356
 Carcinoma *in situ* 698
 Cardiotoxicity 1000
 Carrageenan 778
 Cartilage 840
 Case-control study 822, 932
 Catalase 89
 Catechol 1052
 CD4 702
 CD8 249
 CDDP 643, 787, 904, 1246
 Cell adhesion molecule 459
 Cell cycle 452
 Cell damage 219

KEY WORD INDEX

- Cell line, B16-BL6 melanoma 1246
 colon 26 366, 583
 human 861
 human cultured 482
 human gastric cancer, MKN-45 904
 K562, K562/ADM 1006, 1133
 KB 373
 PC9 277
 sarcoma-180 173
 Yoshida sarcoma 173
- Cell motility 408
 Cell orientation 408
 Cell saturation density 617
 Cell wall skeleton (CWS), *Nocardia rubra* 1089, 1098
 CFU 290, 577
 Chemoimmunoliposome 380
 Chemoimmunotherapy, active specific 1119
 Chemoprevention 952
 Chemotherapy 783, 993
 Chemotherapy, synergism 65
 two-route 283
 Chitin 866
 Cholanthrene, methyl- 212
 Cholera toxin 637
 Choriocarcinoma 968
 Chorionic gonadotropin, human (hCG) 968
 Chromosome aberration 848
 Chromosome abnormality 438
 Chromosome transfer 413
 Chromosome translocation, t(11;22) 861
 t(12;16)(q13;p11) 958
 t(12;17) 444
- Chronic gastritis 111
 Cigarette smoking 727, 1165
 Cisplatin (CDDP) 643, 787, 904, 1246
 Cluster 1 antigen 348
 Clustering cell 141
 Coamplification 299, 920
 Coformycin, 2'-deoxy- 482
 Cohort study 1165
 Colon carcinoma 26, mouse 51, 895
 Colonic adenoma 356
 Colony assay 277
 Colony forming unit (CFU) 290, 577
 Colony inhibition 265
 Colony-stimulating factor (CSF) 335, 662
 Combination therapy 475, 895
 Complex mixtures, carcinogens 732
 Concomitant immunity 158
 Continuous venous infusion 167, 509
 Croton oil 778
 CSF 335, 662
 CTL 141, 257, 537
- CWS 1089, 1098
 Cyclic hexapeptide 290
 Cycloheximide 452
 L-Cysteine 182
 Cytochrome P-450 126, 1041
 Cytokeratin 18 271
 Cytokine 115, 537, 570
 Cytokine expression 531
 Cytosine, 1- β -D-arabinofuranosyl- (Ara-C) 679
 Cytosine-5'-stearylphosphate, 1- β -D-arabinofuranosyl-
 (C18PCA) 679
 Cytotoxic T lymphocyte (CTL) 141, 257, 537
 Cytotoxic T lymphocyte clone, human 655
 Cytotoxicity 380, 670, 904, 1246
- Dendritic cell 141
 Deoxyuridine, 5-bromo- 438
 Deoxyuridine, bromo- 1047
 DFUR 182, 583
 Diacylglycerol 963
 Diagnosis plausibility 513
 Diet 513
 Diethylstilbestrol 737
 Differentiation 115, 228, 438, 1072, 1077, 1246
 Digestive tract carcinoma, upper, rat 632
 Digital image processing 408
 Dipyrindamole 475
 Direct mutagen 1021
 Disulfiram 1171
 DNA adduct 826, 1145
 DNA polymerase α 1083
 DNA single strand scission 1052
 DNA-damaging agent 41, 83
 Doxorubicin 277
 Drug resistance 464
 Drug-resistant cell 265
 Drug sensitivity 482
 Dye coupling 855
- Early detection 1028
 EGF 15, 373, 670, 743
 EGF receptor 670, 743
 Endothelial cell 818
 Endothelin 302
 Envelope glycoprotein, mammalian tropism 1179
 Enzyme-altered foci, three-dimensional reconstruction 326
 Epidemiology 209, 306, 513
 Epidermal basal cell 637
 Epidermal growth factor (EGF) 15, 373, 670, 743
 (-)-Epigallocatechin gallate 503
 Epstein-Barr virus (EBV) 99
 Epstein-Barr virus, nasopharyngeal carcinoma 612
 Estradiol 1153

- Estrogen receptor 244
 Ethanol, promotion 526
 Ewing's sarcoma 861

 Familial occurrence 401
 Female genital tract 19
 α -Fetoprotein 341
 Fibroblast 928
 Flow cytometry 1083
 5-Fluorouracil (5-FU) 167, 509, 583
 5-Fluorouracil, (3-[3-(6-benzoyloxy-3-cyano-2-pyridyl-oxycarbonyl)benzoyl]-l-ethoxymethyl- (BOF-A2) 173
 5-Fluorouridine, 5'-deoxy- (DFUR) 182, 583
 Forty carcinogens 732
 5-FU 167, 509, 583
 Furfural 608

 ^{67}G citrate 778
 G-CSF 115, 577, 848, 1077
 Gallbladder cancer 238, 932
 Gallbladder, dysplasia 238
 Ganglioside 702
 Gap junction 855
 Gastric cancer, human 111, 150, 920, 1153
 Gastric carcinoma, human 341, 743, 813
 Gastric tumor, human 993
 Gelatin microsphere 387
 Gene amplification 6, 1192
 Gene expression 331, 1072, 1186, 1192
 Gene expression, collagen gel culture 840
 Gene rearrangement 711
 Glucocorticoid, antitumor effect 963
 Glutathione peroxidase 89
 Glutathione S-transferase (GST) 326, 608, 1024
 Glutathione S-transferase placental form (GST-P) 939, 945
 Glycogen phosphorylase 975
 GM-CSF receptor 887
 GM3 density 988
 GM3-liposome 988
 Granulocyte colony-stimulating factor (G-CSF) 115, 577, 848, 1077
 Granulocyte-macrophage colony-stimulating factor (GM-CSF) 887
 Granulocytosis 335
 Growth factor 136
 Growth factor, IGF-1 51
 Growth factor, insulin 51
 Growth hormone 822
 Growth inhibition 787
 GST 326, 608, 1024
 GST-P 939, 945

 Hematoporphyrin 219

 Hematopoietic 290
 Heparin 866
 Hepatitis B virus 295, 617
 Hepatocarcinogenesis, rat 132, 326, 526, 939, 945, 952, 1024, 1041
 Hepatocellular carcinoma, human 196
 Hepatocyte, rat 126
 Hepatoma cell line, human 335
 Hepatotactic migration 873
 Hepatotumorigenesis, rat 737
 Herbimycin 855
 Hereditary hepatitis 1024
 Heterocyclic amine 1145
 High-dose chemotherapy 394
 High-grade sarcoma 83
 HIV 1, 95, 702
 Horizontal transmission 401
 HTLV-1 (HTLV-I) 95, 401, 405, 506, 531, 808, 915, 1017, 1066
 HTLV-1, anti-p40^{int} 1066
 HTLV-I, antibody 833
 HTLV-1-associated myelopathy (HAM) 1066
 Human immunodeficiency virus (HIV) 1, 95, 702
 Human papillomavirus type 16 (HPV 16) 19
 Human tumor clonogenic assay 83
 Humoral hypercalcemia of malignancy 643

 IFN 904
 IFN- α /D 387, 895
 IFN- β 554
 IFN- γ 59, 249, 554, 1072
 IL-1 115, 570
 IL-2 150, 554, 562, 662, 895, 1089, 1220, 1228
 IL-2, human recombinant 59, 1089, 1098
 IL-2-activated killer cells 265
 Immortal DNA strand hypothesis 637
 Immunoassay 975
 Immunoglobulin κ 711
 Immunohistochemistry 840, 975, 1041
 Immunopotentiator 158
 Immunotherapy 249
In situ freezing, urinary bladder, rat 826
In situ hybridization 706
 Intercellular communication 855
 Interferon (IFN) 904
 Interferon- α A/D 387, 895
 Interferon- β 554
 Interferon- γ 59, 249, 554, 1072
 Interleukin-1 (IL-1) 115, 570
 Interleukin-2 (IL-2) 150, 554, 562, 662, 895, 1089, 1220, 1228
 Interleukin-2, human recombinant 59, 1089, 1098
 Intracellular calcium 302
 Intracellular uptake 787

KEY WORD INDEX

- Invasion 716, 818, 873
- Killer helper factor 562
- Lack of carcinogenicity, F344 rat 317
- Lactobacillus casei*, YIT9018 (LC9018) 1238
- LAK cell 150, 662, 1089, 1098, 1220, 1228
- LAK induction 562
- Large granular cell 895
- LEC rat 45, 1024
- Lectin 360
- Leiomyosarcoma 643
- Lentian sulfate 95
- Letter to the Editor 490, 597, 1014, 1016
- Leu3a, human leukemia cell 1083
- Leukemia 59, 331, 1006, 1133
- Leukemia, human 102, 822
- mouse 444
- Leukemic cell 59
- Leukocytosis 290
- Leukoplakia 209
- Lipid peroxidation 1000
- Liposome, CDDP- 787
- Long terminal repeat (LTR) 200
- Loss of heterozygosity 924
- Lung cancer, human 204, 233, 265, 348, 513, 783, 924, 1165
- Lung cancer mortality, smoking 727
- Lung metastasis 562, 866
- Lung tumorigenesis 499
- Lymph-node metastasis 1119
- Lymphoblast, L5178Y, mouse 963
- Lymphoid neoplasia 887
- Lymphokine-activated killer (LAK) cell
 150, 662, 1089, 1220, 1228
- Lymphoma 1006, 1133
- Lymphoma, human 706
- mouse 419, 1176
- Lymphoproliferation 99
- Lyt-2⁺ T cell 554
- Macrophage 59, 662, 1220
- Macrophage activating factor (MAF) 141
- Macrophage activation 387
- Major histocompatibility complex (MHC) 249, 1106
- Malignant lymphoma 577
- Malignant pleurisy 1238
- Mammary mixed adenoma, canine 840
- Marital status 306
- Mass screening 1028
- Matched pair analysis 1028
- Matrigel 873
- MDR 373, 475, 627, 993, 1006, 1127, 1133
- mdr1* gene 1127
- Medaka, spontaneous tumor 1058
- Medroxyprogesterone 244
- Meeting report 188, 910, 1141
- Melanoma antigen, mouse 988
- Melanoma antigen secretion 981
- Melanoma-associated antigen 1186
- Mesothelial cell 107
- Metastasis 31, 51, 136, 366, 459, 873, 1192
- Meth A fibrosarcoma 1238
- L-[¹⁴C]Methionine 778
- Methylation 295
- Methylation, DNA 924
- Microcell fusion 122, 413
- Mitomycin C 1206, 1252
- Moloney murine leukemia virus 1
- Monoamine oxidase inhibitor 521
- Monochromosomal library, human 413
- human/mouse 122
- Monoclonal antibody
 10, 380, 627, 771, 1006, 1133, 1156, 1161
- Monoclonal antibody, anti-P-450 126
- human 271, 546
- murine leukemia virus 24
- MYC product 747
- NCC-LU-243, 244, 246 348
- Mother-to-child transmission 405, 506
- Multidrug resistance (MDR)
 373, 475, 627, 993, 1006, 1127, 1133
- Multiple sclerosis 1017
- Multivariate analysis 720
- Murine fibrosarcoma 592, 1119
- Murine leukemia virus 444
- Murine leukemia virus, structural protein 24
- MX-1 686
- Myelodysplastic syndrome 102, 848
- Myelogenous leukemic cell, human 928
- Myeloid leukemia, mouse 115
- Myeloid leukemia cell 228, 1077
- Myxoid liposarcoma, human 958
- Nasopharyngeal carcinoma, clonal origin 612
- Natural killer (NK) clone 655
- Neocarzinostatin 283, 394
- Neuroblastoma, human 299, 438, 787, 1072
- Neuroepithelioma 861
- Nialamide 521
- Nicotinamide 464
- NIH3T3 cell 200
- Nitrite 1021
- Nitrosoguanidine, N-ethyl-N'-nitro-N-
 N-methyl-N'-nitro-N- 503
- 1035
- Nitrosourethane, N-ethyl-N- 632
- NK cell 1228

- Non-Hodgkin's lymphoma 706, 720
 Norepinephrine 521
 Nuclear grade 223
 Nucleolar organizer region, rat liver 1047
- Oncogene, *bcl-2* 711
 c-erbB-2 10, 920, 1192
 c-fos 444
 c-Ha-ras 200, 706
 c-Ki-ras 196, 622, 706
 c-myc 6, 212, 430, 444, 737, 920
 c-raf-1 6
 FOS 743
 Ha-ras 430
 int-1 958
 Ki-ras 430
 L-myc 299, 430
 MYC 743, 747
 N-myc 299, 430, 1072
 N-ras 102, 196, 430, 706
 ret 1149
- Oral administration 679
 Oral cancer 209, 430
 Ornithine decarboxylase 424, 1052
 Osteosarcoma, human 6
 Ovarian tumor 459
- P-glycoprotein 627, 993, 1006, 1127, 1199
³²P-postlabeling 826, 1145
 p40^{ant} antibody 506
 Pancreas 622
 Pancreatic cancer, human 622
 Papillary thyroid carcinoma cell 1149
 Parathyroid hormone-related protein 643
 Particle agglutination inhibition 833
 PCR 102, 622, 706, 808, 1017
 PDGF receptor 136, 813
 Pendolmycin 15
 Peplomycin 65
 Pepsinogen 111
 Pepsinogen-altered pyloric gland (PAPG) 1035
 Peritoneal macrophage, cytolytic 1252
 Pharmacokinetic modulation 509
 Pharmacokinetics 182, 679
 Phenylimidazo[4,5-*b*]pyridine, 1-amino-1-methyl-6- (PhIP)
 1145, 1176
 Phorbol ester 855
 Phosphatidylinositol 15, 1156
 Phospholipase C 1156
 Phospholipid 204
 Platelet-derived growth factor (PDGF) 136, 813
 Pleomorphic adenoma 840
 Pleural effusion 1220
- Pleural lavage 233
 Point mutation 102, 196, 622, 706
 Poly(ADP-ribose) polymerase 464
 Polymerase chain reaction (PCR) 102, 622, 706, 808, 1017
 Polypeptide antigen 271
 Porokeratosis 41
 Positron emission tomography 1257
 Potassium salt 424
 Potentiation of anticancer agent 475
 pp60^{src} 879
 Procoagulant activity 438
 Progesterone receptor 244
 Prognosis 233
 Prognostic factor 720
 Progression 599
 Proliferative cell index 223
 Prostate carcinoma, rat 312
 Protein biosynthesis 1000
 Protein kinase C (PKC) 204
 pSV2-neo 413
- Quercetin 317
 Quinoline 1-oxide, 4-nitro- 499, 691, 698
- RA-700, antitumor agent 290
 Radiation 212, 592
 Radiation leukemia virus-induced leukemia 257
 Radio-chemotherapy 583
 Radioimmunoassay 348
 Radiosensitizer, 2-nitroimidazole nucleoside (RP170) 1113
 Renal cell carcinoma, human 975
 Renal cell tumor 771
 Replicative DNA synthesis 1052
 Replicon initiation 754
 Retinoic acid 1077
 Ribonuclease protection assay 1127
 Risk assessment 727
 Risk factor 822, 932
 Rous sarcoma virus (RSV) 200, 879
 RSV, mammalian tropism 1179
- S phase onset 493
 Sarcoma 180 219
 Sarcoma, mouse 212
 Screening, anti-HTLV-I antibody 833
 Silent mutation 622
 Sinecomitant immunity 158
 Sister chromatid exchange (SCE) 783
 Small cell lung carcinoma 348
 Small round cell sarcoma 861
 SMANCS 394
 Smoking 513
 Smoking, reverse 209

KEY WORD INDEX

-
- Sodium chloride 698, 1035
 Sodium salt 424
 Soluble mediator 537
 Soluble tumor antigen 981
 Sorcin 469
 Soybean agglutinin 1228
 Spontaneous tumor, medaka 1058
 Stem cell 637
 Stomach cancer 546
 Stomach mucosa, rat 424, 1052
 Strain difference 939, 1041
 Sulfated polysaccharide 95
 Superoxide dismutase (SOD) 89
 Suppressor cell 981
 Suppressor T cell, anti-melanoma 988
 Suspension culture 277
 Swiss 3T3 cell 302
 Synergism 83
 Synergistic effect 945

 T cell 1228
 T cell circuit 1106
 T cell factor 1098
 T cell phenotype 720
 T cell subset 649, 1161
 T lymphocyte 99
 Tamoxifen 244
 Teleocidin 15
 Terminal deoxynucleotidyl transferase 331
 TGF- β 107, 228, 928
 Thermostability 1
 Thymidine kinase 493
 TiL 158, 249
 Tiopronine, N-(2-mercaptopropionyl)-glycine 283, 394
 TNF 115, 366, 904, 1161
 Tracheal mucosa 698
 Trans-activation 617
 Transfer constant 1257
 Transformation 200
 Transforming growth factor- β (TGF- β) 107, 228, 928
 Transgenic mouse 295
 Transmammary carcinogenesis 1171
 Transmethylation 716
 Tumor antigen 1119
 Tumor-bearing, rat ascites hepatoma K231 759
 Tumor immunity 537
 Tumor immunotherapy 537, 1212
 Tumor-infiltrating lymphocyte (TiL) 158, 249
 Tumor necrosis factor (TNF) 115, 366, 904, 1161
 Tumor-neutralizing cell 1106
 Tumor promoter 204, 698
 Tumor promotion 15
 Tumor rejection 649

 Tumor rejection antigen 879
 Tumoricidal activity 1228
 Tumorigenicity 373

 Ubenimex (Bestatin) 873
 Ultrasound 219
 Unscheduled DNA synthesis 1052
 Urinary bladder carcinogenesis 826
 Uterine hemangioendothelioma, mouse 419
 UV-sensitivity 754

 Vaccinia virus 765
 Vertical infection 405, 808
 Video microscopy 408
 Vincristine 277
 Vitamin E 212
 VX-2 tumor 1257

 Weibull distribution 191

 X gene 617
 α X protein, α_1 -inhibitor III 759
 X-radiation 41
 X/autosome translocation 122
 Xenograft 686
 Xeroderma pigmentosum 754

